

AUSA - CIO/G-6 PANEL

9-OCT-07



LandWarNet Supporting Global Collaboration

MG Jeff Sorenson

**AMERICA'S ARMY: THE STRENGTH OF THE NATION
ARMY STRONG**



U.S. ARMY



U.S. ARMY



Agenda



- ★ **DoD & Army Information Sharing**
- ★ **Current Commercial Applications**
- ★ **Tactical Applications for the Warfighter**
- ★ **Future Directions & Plans**
- ★ **Conclusions**





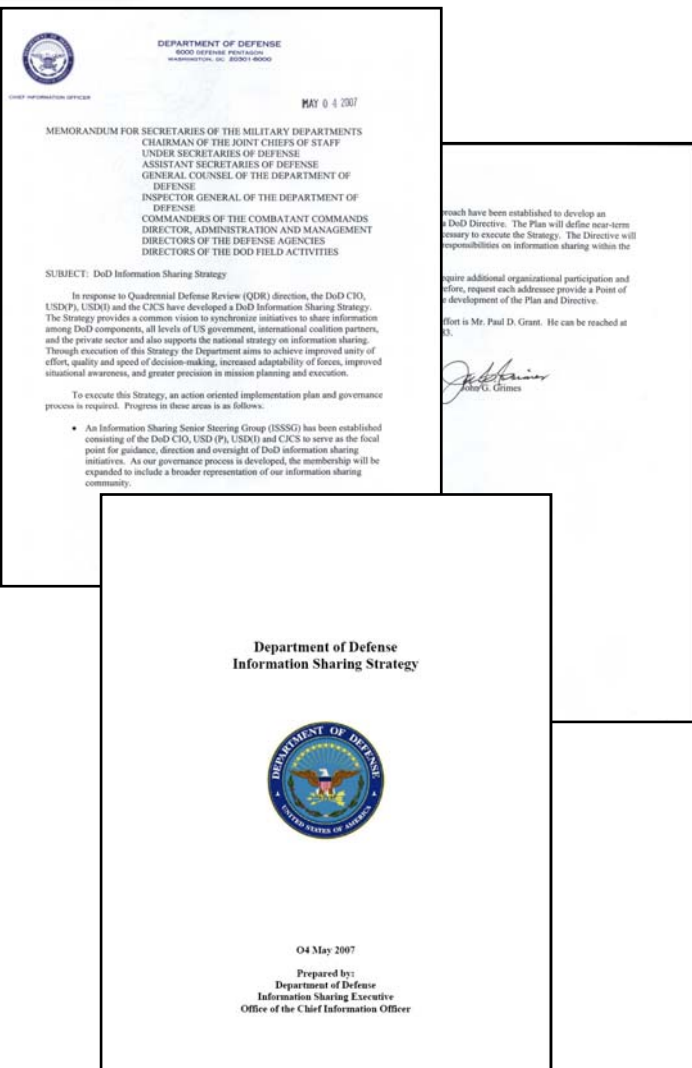
DoD Information Sharing Strategy



- **Vision: Deliver the power of information to ensure mission success through an agile enterprise with freedom of maneuverability across the information environment.**

- **Goals:**

1. Promote, encourage, and incentivize sharing.
2. Achieve an extended enterprise.
3. Strengthen agility, in order to accommodate unanticipated partners and events.
4. Ensure trust across organizations.





Army Information Sharing



- ★ **Leveraging Commercial Collaborative Tools**
...Rapidly Evolving Commercial Collaboration Environment
- ★ **Extend Information Sharing Across the Environment**
...Army Best of Breed Analysis & Future Plans
- ★ **Tactical Collaborative Applications & Systems**
...Tactical Battle Command
- ★ **Acquiring Collaborative Tools & Equipment**
...Tactical & Enterprise

Explosion of Commercial Tools





The World we live in...



During leadership training, “foreign” military students use technology collaboration tools as a way of life, while the U.S. students do not....

YouTube Islam
Share Islam Videos

skype

Collaboration

myspace®
a place for friends



The World we live in...





The World we live in...





Tactical KM/Collaboration Tools



Best of Breed Effort

18 Tools Nominated by Corps Commanders

- Identify Operational Requirements
- Provide System/Tool information
- Normalize Operational Requirements



15 Dec 05 – 02 Feb 06

CTSF

CTSF Assessment

- Tool demonstration and operational requirements assessment
- Technical assessment and integration

21 Feb 06 – 30 May 06

VCSA
Approved
July 06

Standard Solution Set

Common
Tactical
Website



2. Data Fusion (combining two tools)



3. Real-time Collaboration



DISA-Selected for DOD



Lotus Sametime



Phase II Way Ahead



Way ahead provides path to converge or integrate Tactical and Enterprise KM/collaboration capabilities

	Tactical	Enterprise	Phase II Way Ahead
Portal/ Website	SharePoint 2007	AKO/DKO	SOA for web part/svc re-use
Data Fusion	FusionNet/CIDNE	Standards based Federated capabilities	SOA Foundation
Real-time Collab	DISA Service/Breeze	DISA Services	Transition to DISA Services



KM/Collaboration for the Warfighter

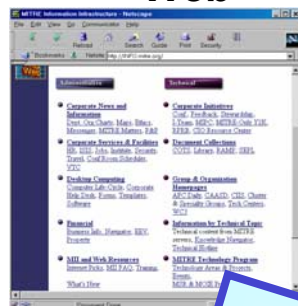


Information Sharing Web

Instant Messaging

Audio and Video Teleconferencing

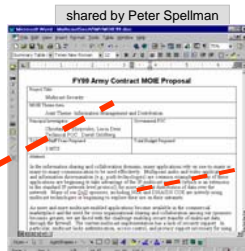
Email



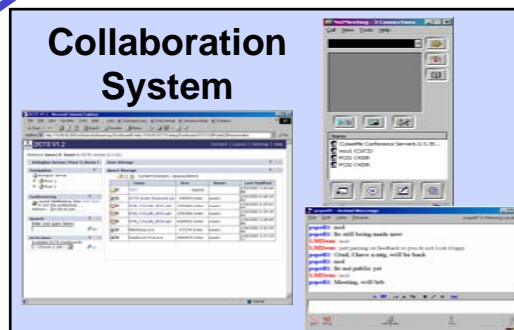
Shared Whiteboard



Shared Application



Collaboration System



Video Streaming



- **Connect people across time & space**
- **Increase information sharing**
- **Access, analyze and display data**





Army Battle Command Systems



CPOF (Command Post of the Future)

- **Description:** Enables Cdrs to discuss & collaborate when processing info, share ideas, draw on the “same” map, and attend virtual meetings, even to/from locations outside the country
- **Initial Delivery:** Developed by DARPA in 2003 as a technology demonstration
- **Used:** Prototype deployed with 1st Calvary Div in Baghdad, connecting Div HQ & five Brigades



IDM-T (Information Dissemination Management - Tactical)

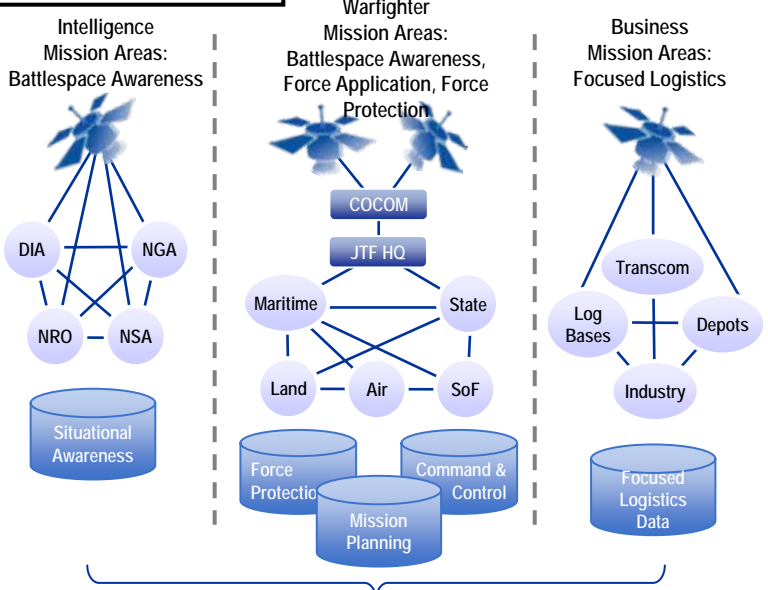
- **Description:** Brings critical tactical info to authorized user's via simple, web-based Unit Home-Station Portal; “pulls” info from multiple lists & sites into consolidated view; filters & searches for pertinent info; and publish info directly to selected users
- **Enhancement:** Transitioning to SharePoint 2007 Portal Open Architecture through BCCS program



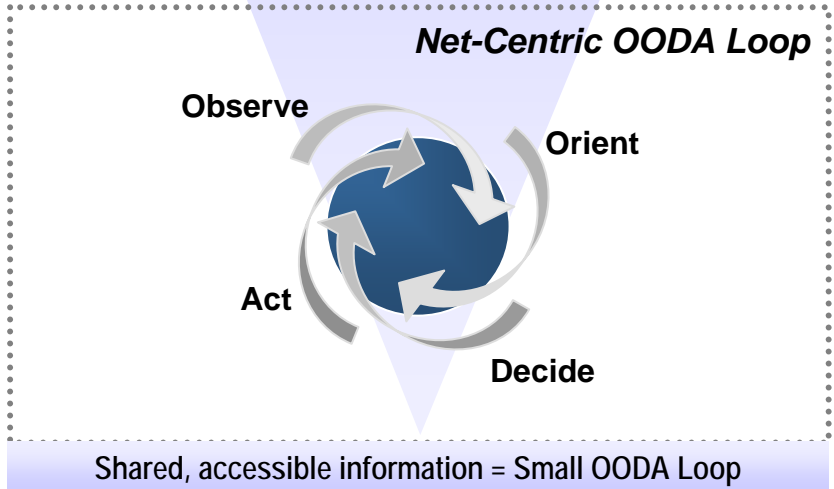
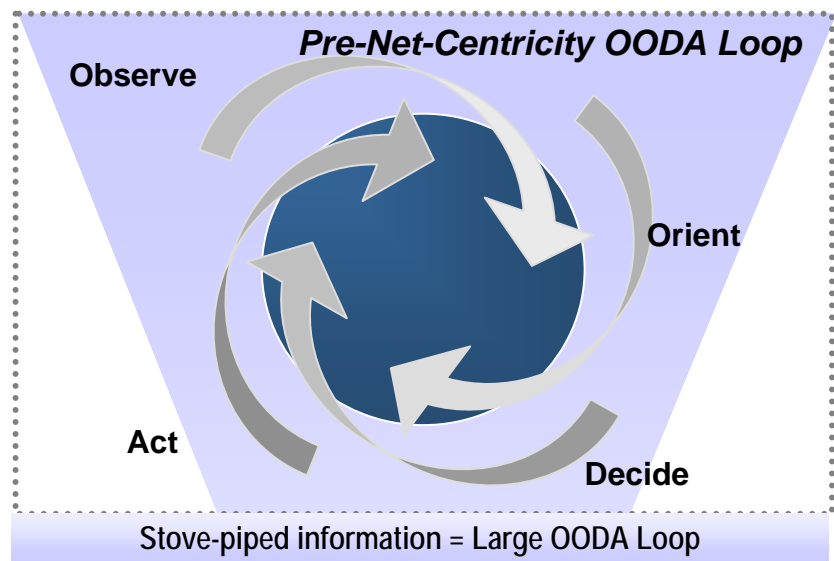
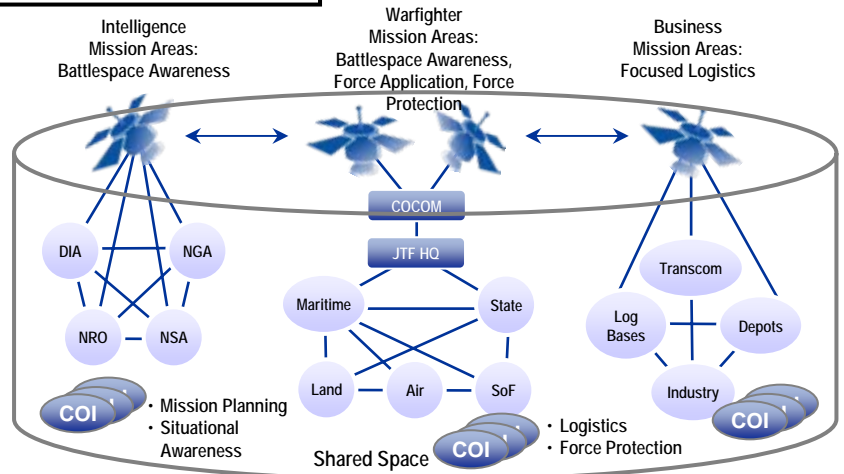
Net-Centricity will ultimately lead to the breakdown of info stove-pipes enabling faster decisions



"As-Is" Environment



"To-Be" Environment

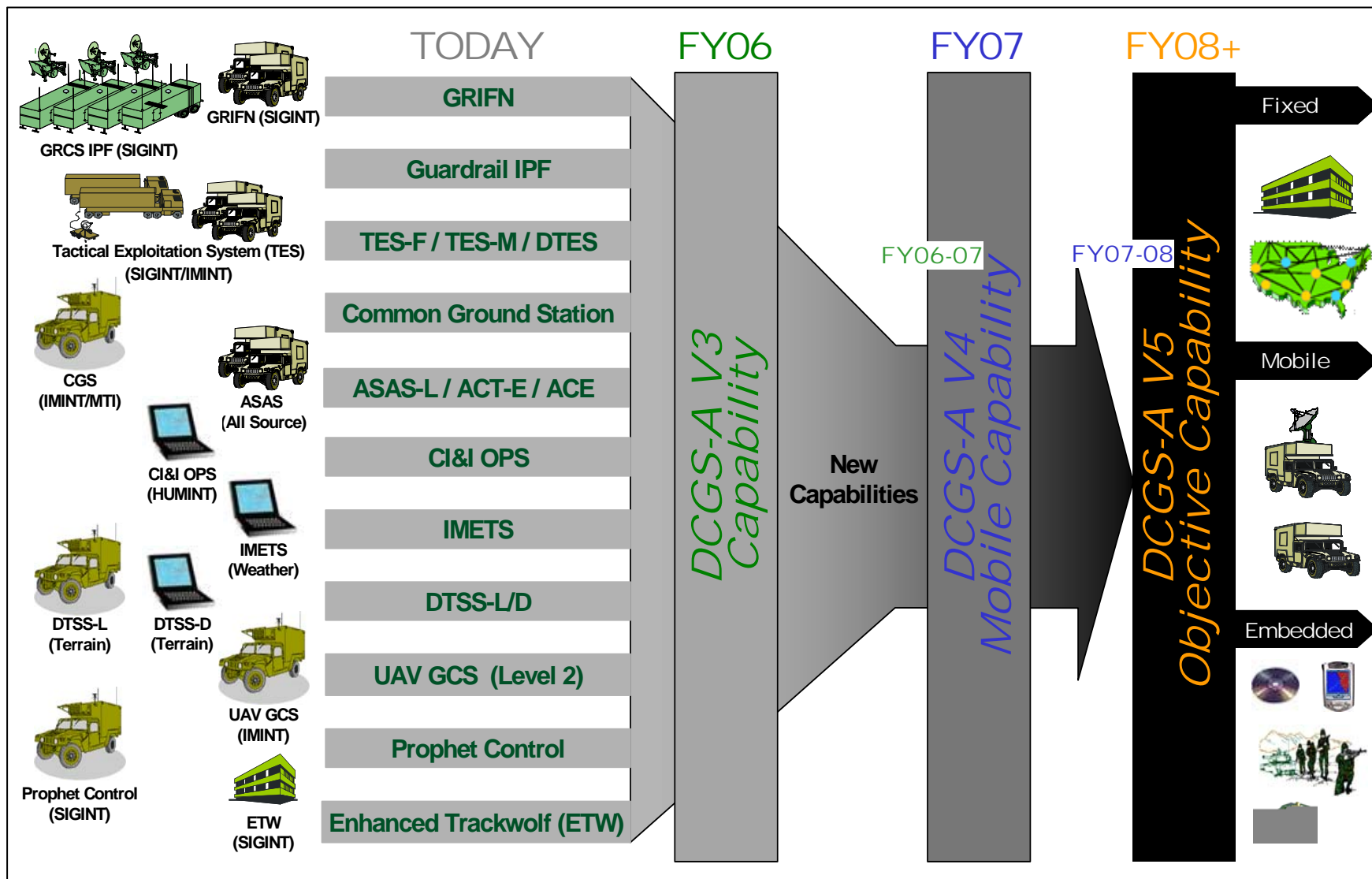




DCGS-A Migration Plan



Distributed Common Ground System–Army





Global Information Grid (GIG)



GLOBAL INFORMATION GRID

LANDWARNET

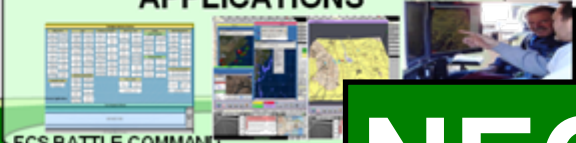
• Suite of ground/air, manned/unmanned platforms, with a diverse set of sensors tailored to the warfighters needs



APPLICATIONS

• Battle Command and Control, Intelligence, Surveillance, and Reconnaissance (ISR), Embedded Training, and Sustainment

• Common Warfighter Interface Display to FCS
• Presents relevant and timely battlefield info
• Provides context-sensitive presentation mgmt
• Reduces training demands



NECC

SERVICES

• Common toolset of infrastructure services, (i.e. information assurance, interoperability, etc.)

Platform Integration
Tactical Network Integration
• Strategic Network/GIG Integration
• Battle Command Integration



NCES

TRANSPORT (Telecommunications)

• Multi-Tiered (Ground, Air, Space) Dynamic, On the Move Communications Network

• Provides secure, reliable access
• Infrastructure embedded in the mobile platforms and moves with the combat formations
• Unprecedented range, capacity and dependability of communications



STANDARDS

• Foundation of the FCS (BCT) network
• Provides the governance for which the other layers are shaped and formed



INFORMATION MANAGEMENT

NETWORK OPERATIONS

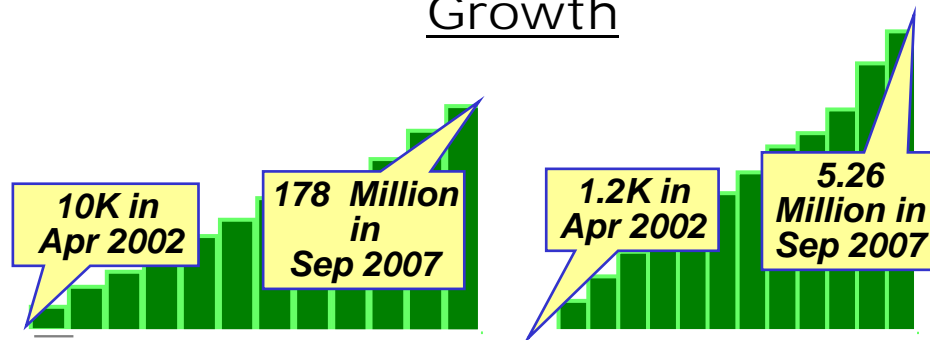


AKO Usage Growth



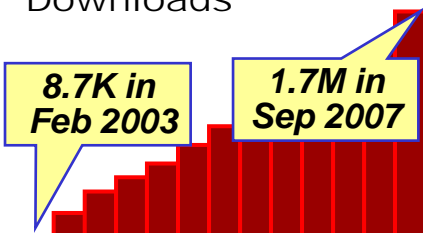
AKO Users

AKO Usage & Content Growth

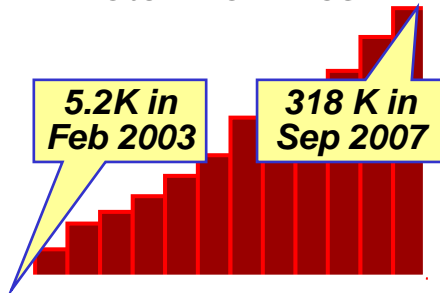


9/11/2001

Total # of File Downloads



Total # of Files



AKO-S Users

- ★ Over **13.6 Million** Instant Messages sent in Jul 2007
- ★ Many Collaboration Sites for GWOT – Arab Translators, 1st CAV, Camp Shelby Tng, NG, CID, Mobilization, FRGs etc.



AKO/DKO to DKO Home Page



Login to AKO / DKO

Username:

Password:

☐ AKO Lite

CAC Login to AKO / DKO

☐ AKO Lite



An Afghan National Army Soldier shakes a fighting position with his rocket propelled grenade launcher April 10, during a firefight with extremists in the Sangin District of Helmand Province in southern Afghanistan. (Photo by Spc. Daniel Love)

New User?
[Register for AKO](#)
Eligibility: Active Army, Army Reserve, National Guard, DA Civilian, Retired Army, and Army Guests

[Register for DKO](#)
Eligibility: [Pre-authorized](#) DoD users

Help
[Reset Password](#)
[Help Desk](#)

Need Your W-2?
[W-2 Information](#)
Tax season is upon us. Be prepared to receive your 2006 W-2 in order to complete your 2006 income taxes.

FAQs
[How do I install the DoD Certificate?](#)
[How do I reset my password?](#)
[How do I register for an AKO Account?](#)
[How do I use my CAC to login to AKO?](#)
[Search All FAQs](#)

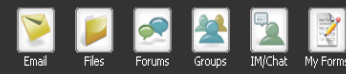
DoD Service Portals: [Air Force Portal](#) [Defense Online](#) [MarineNet](#) [Navy Knowledge Online](#)

Phase I: Feb '07 O&M Manage Service

Phase II: Oct '07 – Sep '08 Functionality and System Upgrades



Welcome, Henry Kaylor
[My Account](#) | [Create a Site](#) | [Help](#) | [Logout](#)



[Home](#) [My Workspace](#) [Site Map](#) [My Favorites](#) [Quick Links](#) [Self Service](#)

Search for ... All of AKO

[AKO Home](#) > [Inside AKO](#) > [DKO](#) > [Home](#)

[DKO](#) (view related content)

[Group Profile](#) [Send Feedback](#) [Send AKO Link](#)

Welcome to Defense Knowledge Online!

What is DKO? >>>



DKO is Defense Knowledge Online, the DoD's enterprise portal.

Service Portals >>>



Defense Online

AKO is undergoing a transformation to support all DoD users. We are currently in [Phase I of the Joint Access Portal](#). The first group of [pre-authorized DoD users](#) was able to register for an AKO/DKO account on 6 January.

Additional users will receive access in the near future - stay tuned for more information!

Agency and Public Web Sites >>>

Account Eligibility >>>

Who is eligible for an AKO/DKO account? Read the [AKO/DKO Account FAQ](#).

DISA NCES Announcements >>>

The [NCES Developer Community](#) page is available and dedicated to providing developers the information they need in setting up, integrating, deploying and promoting usage of NCES services.



Information Assurance Support Environment
Your "One-Stop-Shop" for IA Information



AKO/DKO to DKO Home Page



AKO ARMY KNOWLEDGE ONLINE

DKO DEFENSE KNOWLEDGE ONLINE

Login to AKO / DKO

Username:

Password:

☐ AKO Lite

CAC Login to AKO / DKO

☐ AKO Lite



An Afghan National Army soldier launches a M163 Vulcan rocket-propelled grenade launcher during a training exercise in the Sangin District of Helmand Province, Afghanistan. (Daniel Love)

New User?

[Register for AKO](#)

Eligibility: Active Army, Army Reserve, National Guard, DA Civilian, Retired Army, and Army Guests

[Register for DKO](#)

Eligibility: [Pre-authorized](#) DoD users

Help

Need more information?

W-2 Information

Tax season is open. DoD users can receive your 2006 income tax information.

DoD Service Portals: [Air Force Portal](#) [Defense Online](#) [MarineNet](#)

Phase I: Feb '07

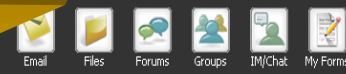
O&M Manage Service

DKO User Accounts	Registered
Air Force	15,795
Navy	13,507
Marine Corps	4,583
Coast Guard	320
DoD Civilian	16,112
DoD Contractor	3,893
Grand Total	54,210

As Of: 1 Oct 07

Phase II: Oct '07 – Sep '08

Security and System Upgrades



Search for ... All of AKO

[Group Profile](#) [Send Feedback](#) [Send AKO Link](#)

Defense Knowledge Online!



Defense Online

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Information Assurance Support Environment

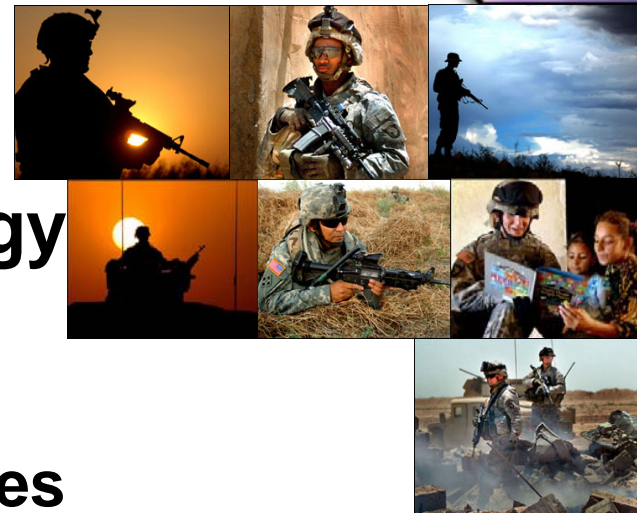
Your "One-Stop-Shop" for IA Information



Conclusions



- ☆ **Joint Interdependence**
...Bottom Line to Warfighter
- ☆ **DoD Information Sharing Strategy**
...key to Shared SA
- ☆ **Current Collaboration Efforts**
...proliferation commercial alternatives
...Army Best of Breed and Corps & Below
- ☆ **Future Collaborative Efforts**
...GIG & LandWarNet
...AKO/DKO





Great Speaking "Team"



Mr. David Wennergren, DoD
Deputy Department of Defense Chief
Information Officer
Office of the ASD(NII)/DoD CIO



Lt Gen Charles Croom, USAF
Director, Defense Information Systems
Agency & Commander Joint Task
for Global Network Operations



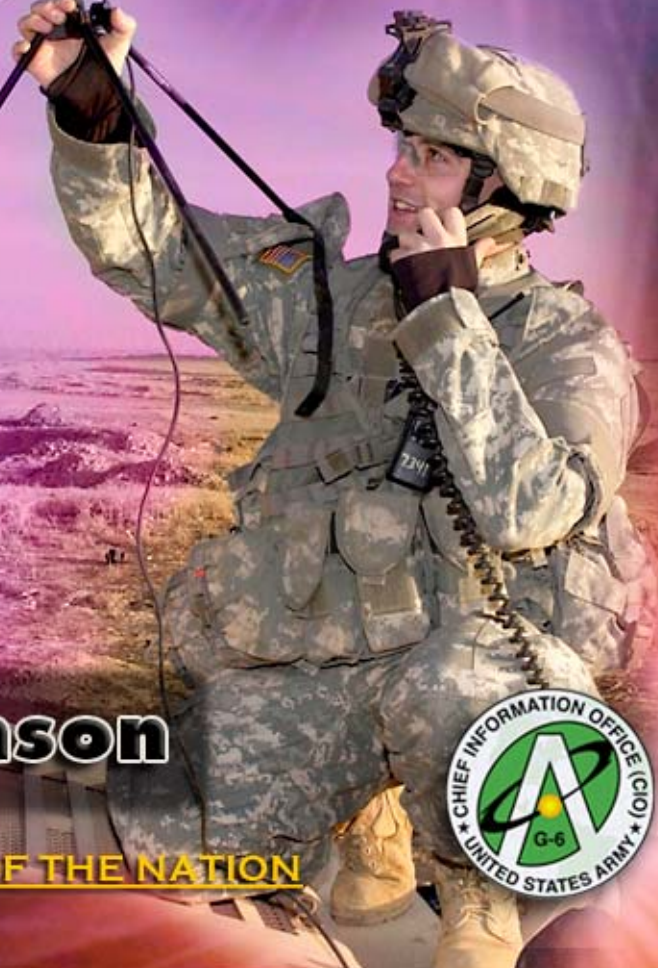
BGen George Allen, USMC
Director, Command, Control,
Communications & Computers and
Chief Information Officer, USMC



COL(P) Brian Donahue, USA
Director, LandWarNet Directorate
HQDA, G-3/5/7



QUESTIONS & THOUGHTS



MG Jeff Sorenson

AMERICA'S ARMY: THE STRENGTH OF THE NATION
ARMY STRONG



U.S. ARMY

